

|    | Document ID             | Issue Date | Pages | Title                                                                                                 | Current OR |
|----|-------------------------|------------|-------|-------------------------------------------------------------------------------------------------------|------------|
| 1  | US<br>20040111687<br>A1 | 20040610   | 17    | Method for optimizing a VLSI floor planner using a path based hyper-edge representation               | 716/8      |
| 2  | US<br>20040093371<br>A1 | 20040513   | 29    | Memory bound functions for spam deterrence and the like                                               | 709/201    |
| 3  | US<br>20040053390<br>A1 | 20040318   | 45    | Computational method for designing enzymes for incorporation of non natural amino acids into proteins | 435/199    |
| 4  | US<br>20040044761<br>A1 | 20040304   | 29    | Systems and methods for broadband network optimization                                                | 709/223    |
| 5  | US<br>20040019402<br>A1 | 20040129   | 146   | Intelligent system for generating and executing a sheet metal bending plan                            | 700/165    |
| 6  | US<br>20030214912<br>A1 | 20031120   | 22    | System and method for the management of procurement and provisioning of video transmission services   | 370/238    |
| 7  | US<br>20030172059<br>A1 | 20030911   | 36    | Database system providing methodology for eager and opportunistic property enforcement                | 707/3      |
| 8  | US<br>20030112704<br>A1 | 20030619   | 47    | Process for interpreting faults from a fault-enhanced 3-dimensional seismic attribute volume          | 367/72     |
| 9  | US<br>20030101302<br>A1 | 20030529   | 29    | Multi-port system and method for routing a data element within an interconnection fabric              | 710/300    |
| 10 | US<br>20030088715<br>A1 | 20030508   | 24    | System for keyword based searching over relational databases                                          | 719/330    |
| 11 | US<br>20030078915<br>A1 | 20030424   | 26    | Generalized keyword matching for keyword based searching over relational databases                    | 707/3      |
| 12 | US<br>20030059116<br>A1 | 20030327   | 10    | Representation of shapes for similarity measuring and indexing                                        | 382/203    |
| 13 | US<br>20020187770<br>A1 | 20021212   | 34    | Topological design of survivable mesh-based transport networks                                        | 455/403    |

|    | Document ID             | Issue Date | Pages | Title                                                                                                         | Current OR |
|----|-------------------------|------------|-------|---------------------------------------------------------------------------------------------------------------|------------|
| 14 | US<br>20020174147<br>A1 | 20021121   | 56    | System and method for transcoding information for an audio or limited display user interface                  | 715/513    |
| 15 | US<br>20020116440<br>A1 | 20020822   | 24    | System and method for inserting leakage reduction control in logic circuits                                   | 718/105    |
| 16 | US<br>20020032718<br>A1 | 20020314   | 170   | METHOD AND APPARATUS FOR MAINTAINING TRANSLATED ROUTINE STACK IN A BINARY TRANSLATION ENVIROMENT              | 718/107    |
| 17 | US<br>20020016647<br>A1 | 20020207   | 115   | Intelligent system for generating and executing a sheet metal bending plan                                    | 700/165    |
| 18 | US 6698006<br>B1        | 20040224   | 36    | Method for balanced-delay clock tree insertion                                                                | 716/10     |
| 19 | US 6687883<br>B2        | 20040203   | 23    | System and method for inserting leakage reduction control in logic circuits                                   | 716/4      |
| 20 | US 6535903<br>B2        | 20030318   | 154   | Method and apparatus for maintaining translated routine stack in a binary translation environment             | 718/100    |
| 21 | US 6507767<br>B2        | 20030114   | 115   | Intelligent system for generating and executing a sheet metal bending plan                                    | 700/165    |
| 22 | US 6502237<br>B1        | 20021231   | 122   | Method and apparatus for performing binary translation method and apparatus for performing binary translation | 717/136    |
| 23 | US 6424959<br>B1        | 20020723   | 59    | Method and apparatus for automatic synthesis, placement and routing of complex structures                     | 706/13     |

|    | Document ID      | Issue Date | Pages | Title                                                                                                                                          | Current OR |
|----|------------------|------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 24 | US 6410239<br>B1 | 20020625   | 152   | Identification and comparison of protein--protein interactions that occur in populations and identification of inhibitors of these interactors | 435/6      |
| 25 | US 6360191<br>B1 | 20020319   | 93    | Method and apparatus for automated design of complex structures using genetic programming                                                      | 703/6      |
| 26 | US RE37571<br>E  | 20020305   | 70    | Subscriber RF telephone system having distributed channel switching capability                                                                 | 455/403    |
| 27 | US 6341243<br>B1 | 20020122   | 120   | Intelligent system for generating and executing a sheet metal bending plan                                                                     | 700/165    |
| 28 | US 6330556<br>B1 | 20011211   | 31    | Data structure partitioning to optimize cache utilization                                                                                      | 707/2      |
| 29 | US 6321240<br>B1 | 20011120   | 32    | Data structure partitioning with garbage collection to optimize cache utilization                                                              | 707/206    |
| 30 | US 6252608<br>B1 | 20010626   | 108   | Method and system for improving shadowing in a graphics rendering system                                                                       | 345/473    |
| 31 | US 6243611<br>B1 | 20010605   | 65    | Apparatus and methods for integrating intelligent manufacturing system with expert sheet metal planning and bending system                     | 700/97     |
| 32 | US 6226789<br>B1 | 20010501   | 158   | Method and apparatus for data flow analysis                                                                                                    | 717/138    |
| 33 | US 6199095<br>B1 | 20010306   | 153   | System and method for achieving object method transparency in a multi-code execution environment                                               | 718/107    |
| 34 | US 6199082<br>B1 | 20010306   | 58    | Method for delivering separate design and content in a multimedia publishing system                                                            | 715/522    |

|    | Document ID     | Issue Date | Pages | Title                                                                                                                                                                                         | Current OR |
|----|-----------------|------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 35 | US 6091897<br>A | 20000718   | 157   | Fast translation and execution of a computer program on a non-native architecture by use of background translator                                                                             | 717/138    |
| 36 | US 6057101<br>A | 20000502   | 161   | Identification and comparison of protein-protein interactions that occur in populations and identification of inhibitors of these interactors                                                 | 435/6      |
| 37 | US 6000028<br>A | 19991207   | 154   | Means and apparatus for maintaining condition codes in an unevaluated state                                                                                                                   | 712/226    |
| 38 | US 5987086<br>A | 19991116   | 113   | Automatic layout standard cell routing                                                                                                                                                        | 716/1      |
| 39 | US 5969973<br>A | 19991019   | 119   | Intelligent system for generating and executing a sheet metal bending plan                                                                                                                    | 700/165    |
| 40 | US 5937042<br>A | 19990810   | 76    | Method and system for rehome optimization                                                                                                                                                     | 379/112.05 |
| 41 | US 5930509<br>A | 19990727   | 119   | Method and apparatus for performing binary translation                                                                                                                                        | 717/159    |
| 42 | US 5930499<br>A | 19990727   | 13    | Method for mixed placement of structured and non-structured circuit elements                                                                                                                  | 716/8      |
| 43 | US 5918171<br>A | 19990629   | 55    | Subscriber RF telephone system having distributed channel switching capability                                                                                                                | 455/403    |
| 44 | US 5910899<br>A | 19990608   | 42    | Method for performing floorplan timing analysis using multi-dimensional feedback in a spreadsheet with computed hyperlinks to physical layout graphics and integrated circuit made using same | 716/8      |

|    | Document ID     | Issue Date | Pages | Title                                                                                                                                                          | Current OR |
|----|-----------------|------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 45 | US 5903472<br>A | 19990511   | 44    | Method for performing floorplan timing analysis by selectively displaying signal paths based on slack time calculations and integrated circuit made using same | 716/10     |
| 46 | US 5896301<br>A | 19990420   | 42    | Method for performing floorplan timing analysis using multi-dimensional feedback in a histogram and integrated circuit made using same                         | 716/8      |
| 47 | US 5873097<br>A | 19990216   | 76    | Update mechanism for computer storage container manager                                                                                                        | 707/203    |
| 48 | US 5870097<br>A | 19990209   | 109   | Method and system for improving shadowing in a graphics rendering system                                                                                       | 345/426    |
| 49 | US 5867397<br>A | 19990202   | 100   | Method and apparatus for automated design of complex structures using genetic programming                                                                      | 703/14     |
| 50 | US 5845201<br>A | 19981201   | 68    | Subscriber RF telephone system having distributed channel switching capability                                                                                 | 455/403    |
| 51 | US 5842017<br>A | 19981124   | 160   | Method and apparatus for forming a translation unit                                                                                                            | 717/158    |
| 52 | US 5822207<br>A | 19981013   | 100   | Apparatus and method for integrating intelligent manufacturing system with expert sheet metal planning and bending system                                      | 700/97     |
| 53 | US 5802373<br>A | 19980901   | 158   | Method for providing a pipeline interpreter for a variable length instruction set                                                                              | 717/139    |
| 54 | US 5696693<br>A | 19971209   | 47    | Method for placing logic functions and cells in a logic design using floor planning by analogy                                                                 | 716/8      |

|    | Document ID     | Issue Date | Pages | Title                                                                                                                                                    | Current OR |
|----|-----------------|------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 55 | US 5648909<br>A | 19970715   | 48    | Static timing verification in the presence of logically false paths                                                                                      | 716/6      |
| 56 | US 5535134<br>A | 19960709   | 23    | Object placement aid                                                                                                                                     | 716/8      |
| 57 | US 5301302<br>A | 19940405   | 24    | Memory mapping and special write detection in a system and method for simulating a CPU processor                                                         | 703/20     |
| 58 | US 5175856<br>A | 19921229   | 34    | Computer with integrated hierarchical representation (IHR) of program wherein IHR file is available for debugging and optimizing during target execution | 717/151    |